

**Table 9. Genes irreversibly altered by cigarette smoke**

P value groupings	Affymetrix ID	Gene symbol	Student's <i>t</i> test <i>P</i> values between the following patient groups:		
			Former vs. never	Current vs. never	Former vs. current
<i>P</i> < 1E-05	<b>213455_at</b>	LOC92689	4.78E-04	7.27E-10	6.49E-03
	<b>823_at</b>	CX3CL1	7.61E-05	1.42E-09	2.66E-02
	<b>204755_x_at</b>	HLF	5.76E-04	1.12E-08	7.76E-01
	<b>204058_at</b>	ME1	1.26E-04	1.31E-08	1.13E-02
	<b>217755_at</b>	HN1	3.77E-05	9.38E-08	5.59E-01
	<b>207547_s_at</b>	TU3A	3.85E-04	1.44E-07	2.57E-01
	<b>211657_at</b>	CEACAM6	1.20E-05	1.49E-07	1.10E-01
	<b>213629_x_at</b>	MT1F	6.54E-04	1.73E-07	5.29E-02
	<b>214106_s_at</b>	GMDS	1.68E-04	1.05E-06	8.75E-01
	<b>207222_at</b>	PLA2G10	3.10E-04	1.45E-06	7.64E-01
	<b>204326_x_at</b>	MT1X	1.67E-04	2.27E-06	7.85E-01
	<b>201431_s_at</b>	DPYSL3	1.22E-04	3.04E-06	9.71E-01
	<b>204754_at</b>	HLF	1.38E-04	5.36E-06	6.60E-01
	<b>208581_x_at</b>	MT1X	9.88E-04	6.27E-06	3.96E-01
	<b>215785_s_at</b>	CYFIP2	4.92E-04	8.64E-06	5.99E-01
<i>P</i> < 1.0E-04	<b>203126_at</b>	IMPA2	2.21E-04	1.08E-05	8.56E-01
	<b>200872_at</b>	S100A10	9.55E-04	1.17E-05	1.60E-01
	<b>213029_at</b>	NFIB	3.48E-04	1.25E-05	9.22E-01
	<b>200878_at</b>	EPAS1	3.34E-07	1.50E-05	6.02E-02
	<b>213228_at</b>	PDE8B	8.07E-05	4.46E-05	9.19E-01
	<b>220389_at</b>	FLJ23514	5.38E-04	9.31E-05	5.80E-01
<i>P</i> < 0.001	<b>203329_at</b>	PTPRM	5.70E-04	1.41E-04	8.84E-01
	<b>205752_s_at</b>	GSTM5	2.88E-04	1.92E-04	7.87E-01
	<b>218002_s_at</b>	CXCL14	8.71E-04	2.51E-04	3.36E-01
	<b>201563_at</b>	SORD	4.73E-04	3.59E-04	9.67E-01
	<b>204734_at</b>	KRT15	1.42E-04	5.64E-04	2.22E-01
	<b>205073_at</b>	CYP2J2	3.56E-04	7.70E-04	2.09E-01
<i>P</i> < 0.01	<b>201980_s_at</b>	RSU1	6.75E-04	1.68E-03	7.86E-01
	<b>209205_s_at</b>	LMO4	7.72E-04	3.01E-03	4.64E-01
	<b>218031_s_at</b>	C14orf116	3.70E-04	6.89E-03	1.91E-01
	<b>200937_s_at</b>	RPL5	8.98E-04	7.48E-03	1.46E-01
	<b>201562_s_at</b>	SORD	1.70E-04	7.67E-03	4.55E-02
	<b>209719_x_at</b>	SERPINB3	7.94E-04	8.86E-03	1.64E-01
<i>P</i> < 0.05	<b>218610_s_at</b>	FLJ11151	2.68E-04	1.08E-02	5.03E-02
	<b>218576_s_at</b>	DUSP12	3.94E-04	1.52E-02	3.40E-02
	<b>207177_at</b>	PTGFR	4.12E-05	1.64E-02	3.65E-02
	<b>202345_s_at</b>	FABP5	2.24E-04	1.83E-02	4.52E-02
<i>P</i> > 0.05	<b>219299_at</b>	FLJ20772	7.10E-04	5.96E-02	3.41E-02
	<b>209821_at</b>	DVS27	7.65E-04	7.43E-02	2.26E-02
	<b>213295_at</b>	CYLD	4.68E-04	7.61E-02	2.36E-02

<i>P</i> value groupings	Affymetrix ID	Gene symbol	Student's <i>t</i> test <i>P</i> values between the following patient groups:		
			Former vs. never	Current vs. never	Former vs. current
	203378_at	PCF11	1.77E-04	8.29E-02	3.26E-03
	202910_s_at	CD97	1.10E-04	1.76E-01	1.21E-03
	211734_s_at	FCER1A	5.14E-04	5.06E-01	1.84E-05
	203638_s_at	FGFR2	2.02E-04	6.95E-01	1.71E-03

A Student's *t* test was performed between former and never smoker across all 9,968 genes, and 44 genes were found to have a *P* value threshold < 0.00098. These 44 genes are listed in the table according to their *P* value on Student's *t* test between current and never smokers, as the intersection of these two Student's *t* tests (former vs. never and current vs. never) correspond to irreversibly altered genes. Fifteen genes (shown in bold) were found to be irreversibly altered by cigarette smoking given that they are in common with the list of 97 genes significantly differentially expressed between current and never smokers. In addition to the 15 genes, 12 more genes had a Student's *t* test *P* value between current and never smokers of <0.001, and only 7 of the 44 genes had *P* values between current and never smokers of >0.05.